

## CLAIMS:

1. A coordinate measuring device having a probe for contacting the object (15) to be measured, the probe comprising:

(a) a sensing member (18) for contacting the object;

(b) a support unit (13);

5 (c) a supporting element (25) connecting said sensing member (18) to said support unit (13);

(d) a detection member (22);

(e) detection means (23) for detecting the position of said detection member (22);

characterized in that said detection member (22) is carried by a connection element (26), and in that said connection element (26) is attached to said sensing member (18).

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2. A coordinate measuring device as claimed in claim 1, characterized in that said supporting element (25) and said connection element (26) are positioned substantially in parallel with each other.

15 3. A coordinate measuring device as claimed in any one of the preceding claims, characterized in that the length of said connection element (26) is larger than the length of said supporting element (25).

4. A coordinate measuring device as claimed in any one of the preceding claims,  
20 characterized in that said supporting element (25) substantially envelops said connection element (26).

5. A coordinate measuring device as claimed in claim 4, characterized by a tube-like supporting element (25).

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6. A coordinate measuring device as claimed in any one of the preceding claims, characterized in that the supporting element (25) as well as the connection element (26) includes a bend.

7. A method of measuring the position of an object, the object (15) being is contacted by a sensing member (18) of a probe, the probe comprising the sensing member (18), a supporting element (25) carrying the sensing member (18) and being attached to a support unit (13), in which the location of the sensing member (18) is measured by detecting  
5 the position of a detection member (22) which is connected to the sensing member (18) through a connection element (26).